

S/10/669,168

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Jeffrey E. Stahmann et al.	Examiner:	Mark Bockelman
Serial No.:	10/669,168	Group Art Unit:	3766
Filed:	September 23, 2003	Docket:	279.566US1
Title:	METHOD FOR ISCHEMIA DETECTION BY IMPLANTABLE CARDIAC DEVICE		

INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

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Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications, and Non-Published Applications identifiable by USPTO Serial Number, are no longer required to be provided to the Office. Notification of this change to this effect was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004 and October 19, 2004. Thus, Applicant has not included copies of any US Patents or US Patent Applications identifiable by serial number that may be cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

JEFFREY E. STAHMANN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(847) 432-7302

Date 9-29-06

By

J. Kevin Parker
J. Kevin Parker
Reg. No. 33,024

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 29 day of September 2006.

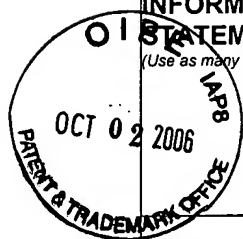
Paula Suchy
Name

Paula Suchy
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/669,168
Filing Date	September 23, 2003
First Named Inventor	Stahmann, Jeffrey
Group Art Unit	3766
Examiner Name	Bockelman, Mark

Sheet 1 of 2

Attorney Docket No: 279.566US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2003/0060854A1	03/27/2003	Zhu, Qingsheng	09/25/2001
	US-2004/0133247A1	07/08/2004	Stahmann, J. E., et al.	09/23/2003
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	US-6,678,547	01/13/2004	Carlson, Gerrard M., et al.	03/08/2001
	US-6,937,901	08/30/2005	Zhu, Q., et al.	10/31/2001
	US-7,069,070	06/27/2006	Carlson, G. M., et al.	05/12/2003

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BIGGER, JR., J. T., "Spectral Analysis of R-R Variability to Evaluate Autonomic Physiology and Pharmacology and to Predict Cardiovascular Outcomes in Humans", Diagnostic Evaluation, Part XI, Chapter 101, 1151-1170	
		KOCHIADAKIS, G. F., "Autonomic nervous system activity before and during episodes of myocardial ischemia in patients with stable coronary artery disease during daily life", Pacing Clin Electrophysiol., 23(12), (Dec., 2000), 2030-9	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/669,168
Filing Date	September 23, 2003
First Named Inventor	Stahmann, Jeffrey
Group Art Unit	3766
Examiner Name	Bockelman, Mark

Sheet 2 of 2

Attorney Docket No: 279.566US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LANZA, G. A., et al., "Usefulness of the Addition of Heart Rate Variability to Holter Monitoring in Predicting In-Hospital Cardiac Events in Patients With Unstable Angina Pectoris", <u>The American Journal of Cardiology</u> , 80(3), (Aug. 1, 1997), 263-267	
		"Heart rate variability: standards of measurement, physiological interpretation and clinical use. Task Force of the European Society of Cardiology and the North American Society of Pacing and Electrophysiology", <u>Circulation</u> , 93(5), (March 1, 1996), 1043-1065	
		VARDAS, P. E., et al., "Spectral analysis of heart rate variability before and during episodes of nocturnal ischaemia in patients with extensive coronary artery disease", <u>Eur Heart J.</u> , 17(3), (Mar., 1996), 388-93	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

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Examiner: Mark Bockelman

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Group Art Unit: 3766

Filed: September 23, 2003

Docket: 279.566US1

Title: METHOD FOR ISCHEMIA DETECTION BY IMPLANTABLE CARDIAC
DEVICE

COMMUNICATION CONCERNING RELATED APPLICATIONS

Mail Stop RCE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date/Issue Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/999,255 6,937,901	October 31, 2001	279.371US1	CAPTURE VERIFICATION FOR CARDIAC RESYNCHRONIZATION PACING OPTIMIZATION
10/436,876 7,069,070	May 12, 2003	279.564US1	STATISTICAL METHOD FOR ASSESSING AUTONOMIC BALANCE
10/695,430	October 28, 2003	279.656US1	SYSTEM AND METHOD FOR MONITORING AUTONOMIC BALANCE AND PHYSICAL ACTIVITY
11/168,099	June 28, 2005	279.371US2	CAPTURE VERIFICATION FOR CARDIAC RESYNCHRONIZATION PACING OPTIMIZATION
11/382,568	May 10, 2006	279.564US2	STATISTICAL METHOD FOR ASSESSING AUTONOMIC BALANCE

COMMUNICATION CONCERNING RELATED APPLICATIONS

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Dkt: 279.566US1

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicants request that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted,

JEFFREY E. STAHMANN ET AL.

By Applicants' Representatives,

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Date 9-29-06 By J. Kevin Parker
J. Kevin Parker
Reg. No. 33,024

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Name

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